

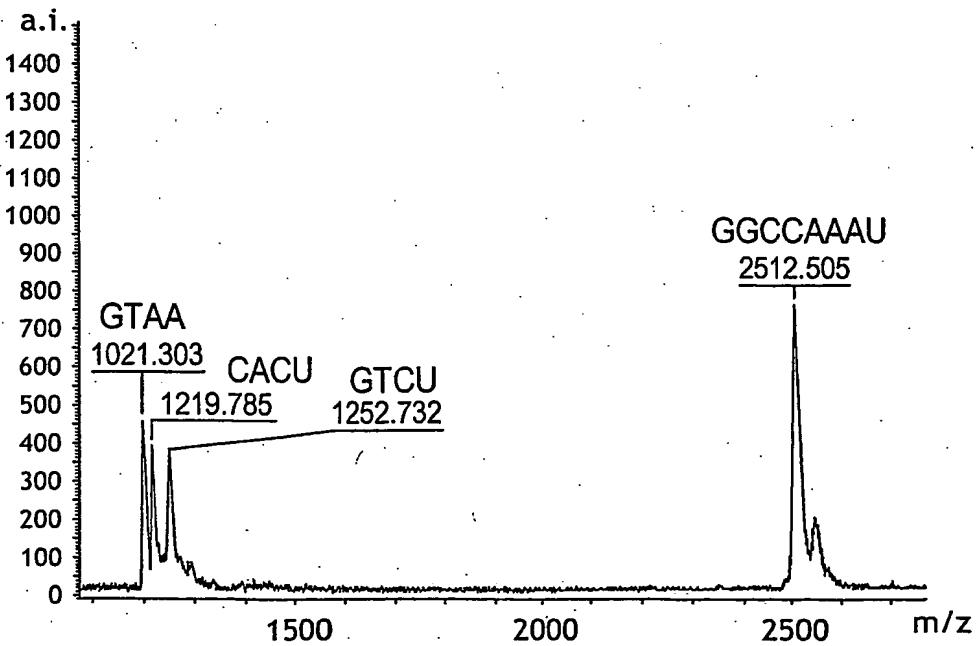
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FIG.1

5' -GTCU|CTU|CACU|U|GGCCAAAU|GTAA

Fragment	Expected Mass	Found Mass
GTCUCTUCACUUGGCCAAUGTAA	7312,9	
CTU	918,6	
GTAA	1197,9	1201,3
CACU	1216,8	1219,8
GTCU	1247,8	1252,7
GGCCAAAU	2501,7	2512,5

Clivage par NH4OH de GTCUCTUCACUUGGCCAAUGTAA
Matrice HPA mode positif sur anchoragel400



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FIG.2

5' -GTC|TC|TTCAC|TTGGC|C|AAATGTAA

Fragment	Expected Mass	Found Mass
GTCTCTTCACTTGGCCAATGTAA	7398,9	
AC	637,4	
TTC	932,6	928,5
GTC	957,6	953,6
TTGGC	1591,0	1588,2
AAATGTA	2128,5	2127
AAATGTAA	2441,8	2440,5

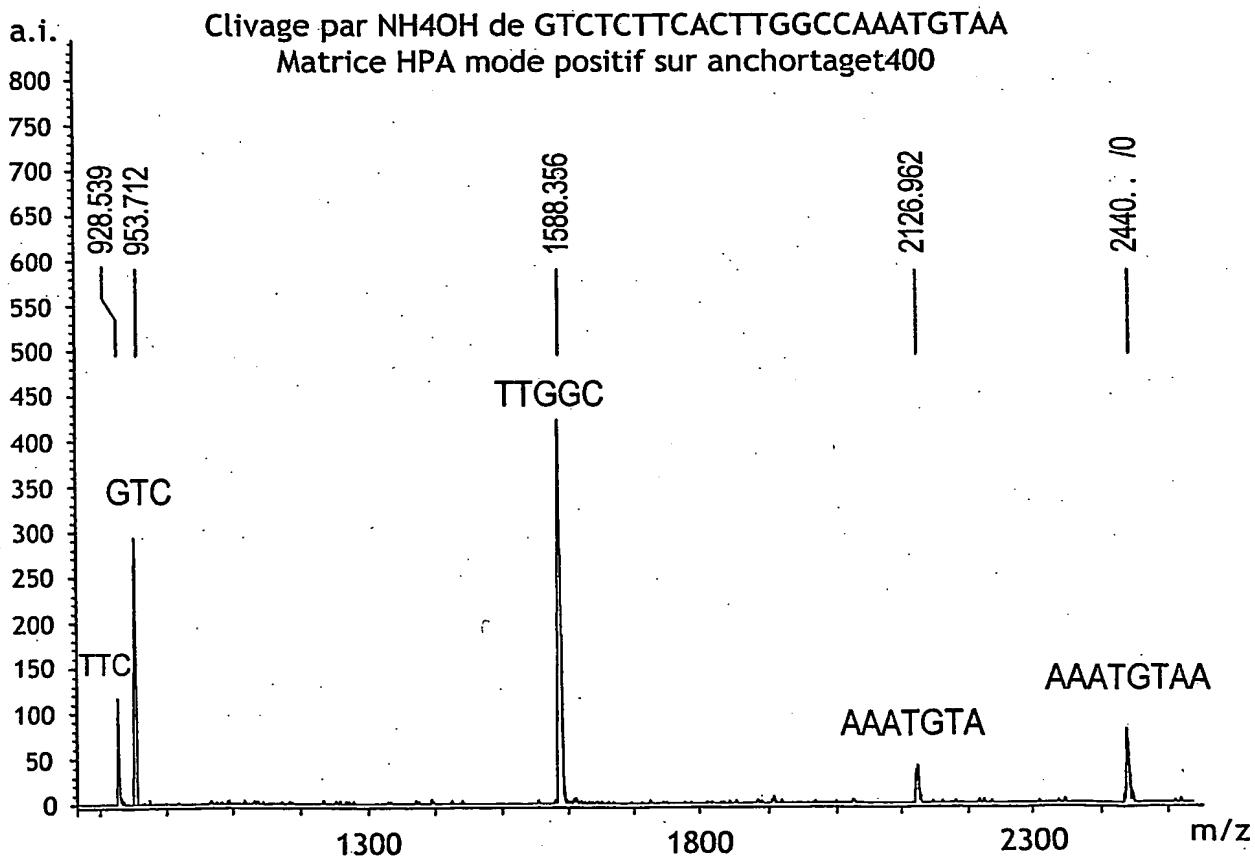


Figure 3

Fragments at 100% Exchange dNTP for NTP

5'-GTCTCTTCACTTGGCCAAATGTAA
5'-GTCTCTTCACTTGGCCAAATGTAA
5'-GTCTCTTCACTTGGCCAAAATGTAA
5'-GTCTCTTCACTTGGCCAAAATGTAA

Additional Fragments at 70% Exchange dNTP for NTP

5'-GTCCTCTTCACTTGGCCAAATGTAA (25%)
5'-GTCTCTTCACTTGGCCAAATGTAA (25%)

5'-GTCTCTTCACTTGGCCAAATGTAA (25%)
5'-GTCTCTTCACTTGGCCAAATGTAA (25%)

5'-GTCTCTTCACTTGGCCAAAATGTAA (25%)
5'-GTCTCTTCACTTGGCCAAAATGTAA (25%)

5'-GTCTCTTCACTTGGCCAAATGTAA (25%)
5'-GTCTCTTCACTTGGCCAAATGTAA (25%)

Figure 4

basic sequence:

5'-TTCACTTGGCCAAATGT^{RNA}AAGNGAAGAACAGAGTC-3'

complementary template sequences:

3'-AAGTGAACCGGTTACATTCCCTTCTTGTCTCAG-5' G template

3'-AAGTGAACCGGTTACATTGCTTCTTGTCTCAG-5' C template

3'-AAGTGAACCGGTTACATTCTCTTGTCTCAG-5' A template

primer sequence:

5'-TTCACTTGGCCAAATGT^{RNA}AAG-3'

sequences after extension and before cleavage:

5'-TTCACTTGGCCAAATGT^{RNA}AAGG^{RNA}G^{RNA}AAG^{RNA}AACAG^{RNA}AG^{RNA}TC-3' N = G

5'-TTCACTTGGCCAAATGT^{RNA}AAGCG^{RNA}AAG^{RNA}AACAG^{RNA}AG^{RNA}TC-3' N = C

5'-TTCACTTGGCCAAATGT^{RNA}AAGAG^{RNA}AAG^{RNA}AACAG^{RNA}AG^{RNA}TC-3' N = A

Fragments after cleavage:

AAGG^{RNA} G^{RNA} AAG^{RNA} AACAG^{RNA} AG^{RNA} TC Fragments for N = G

AAGCG^{RNA} AAG^{RNA} AACAG^{RNA} AG^{RNA} TC Fragments for N = C

AAGAG^{RNA} AAG^{RNA} AACAG^{RNA} AG^{RNA} TC Fragments for N = A

Signals that differ:

AAGG^{RNA} for N = G = 1319 Da

AAGCG^{RNA} for N = C = 1633 Da

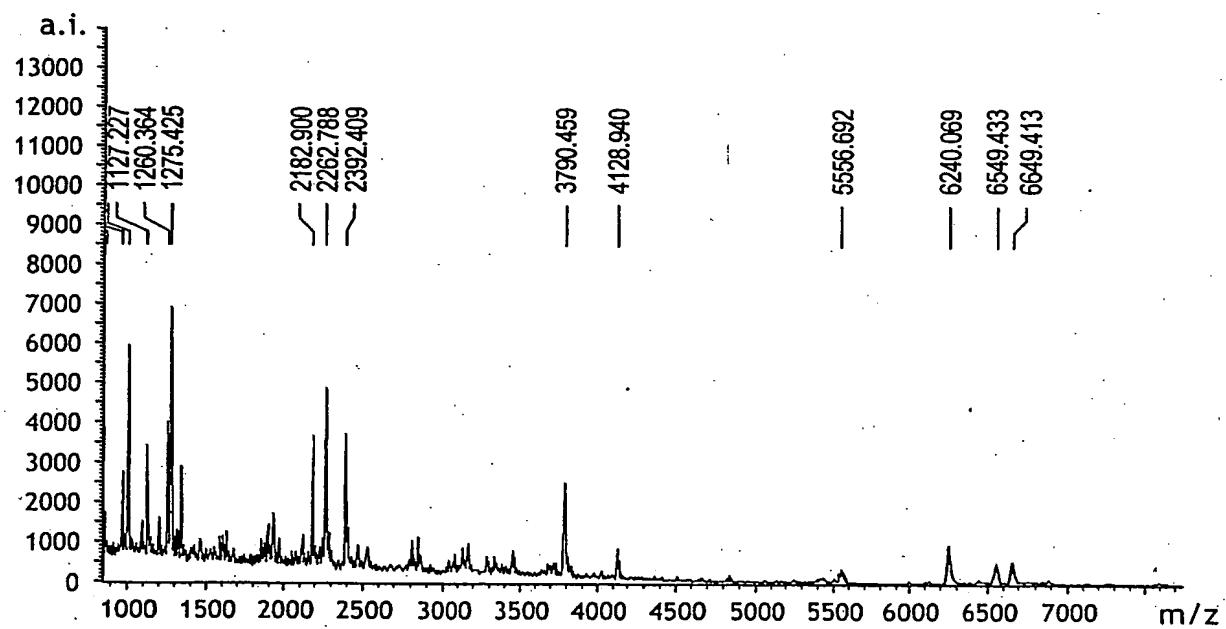
AAGAG^{RNA} for N = A = 1609 Da

Signals that are the same:

AACAG^{RNA} = 1593 Da

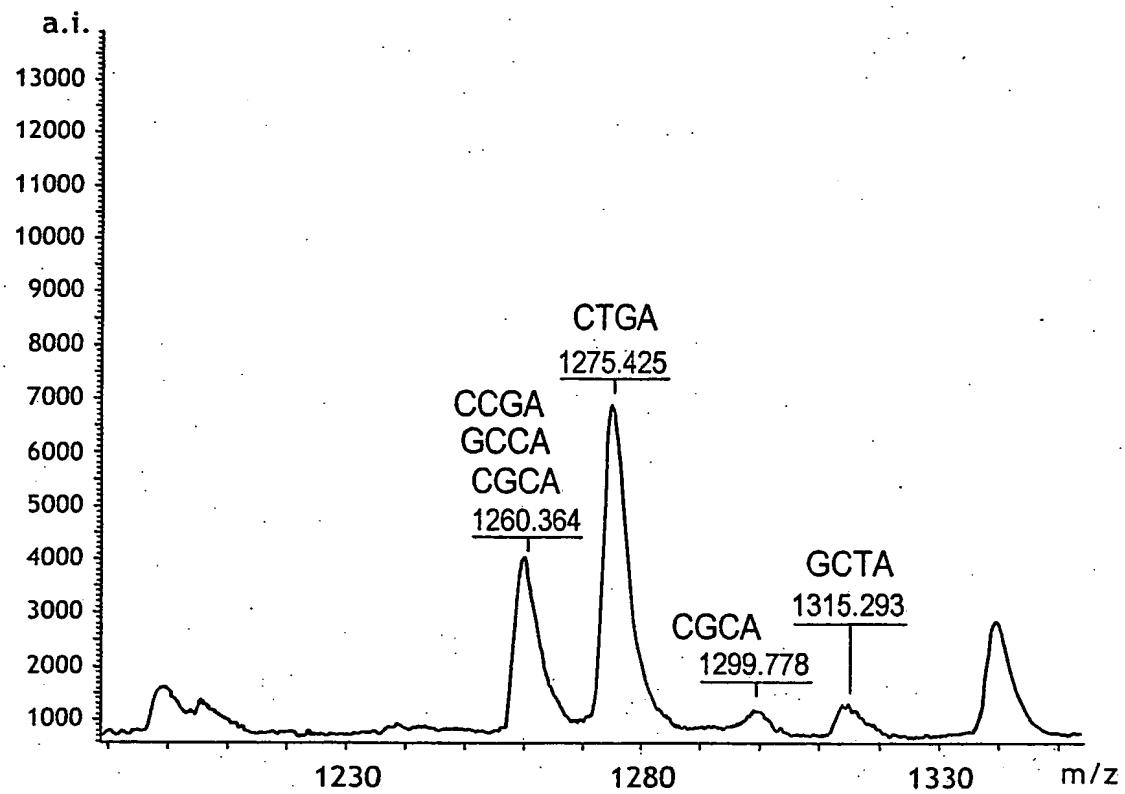
AAG^{RNA} = 990 Da

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FIG.5

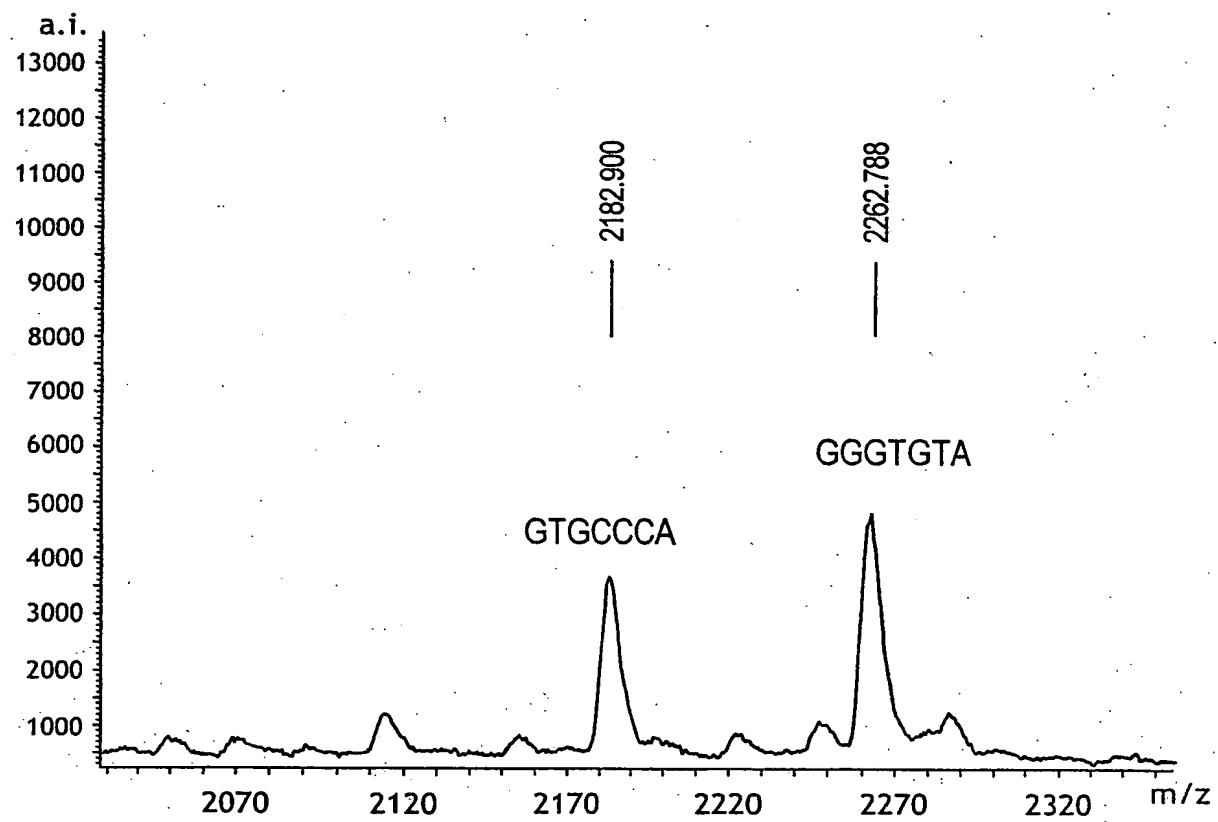
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FIG.6



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FIG.7

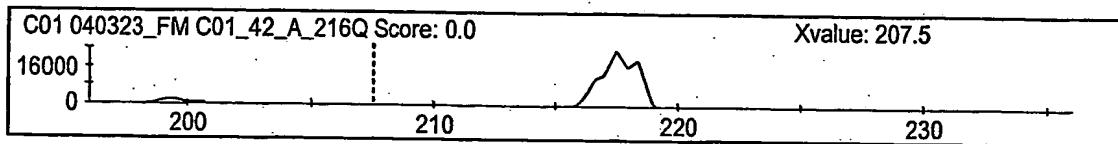


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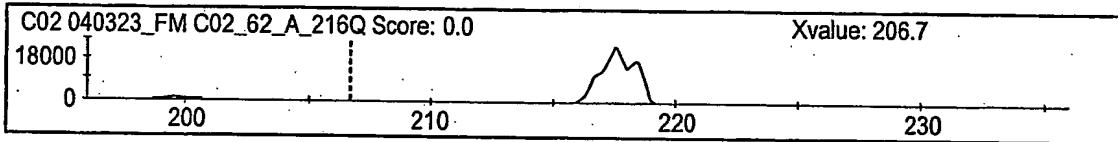
FIG.8

PCR 216 bp Fragment Forward Atp/dAtp

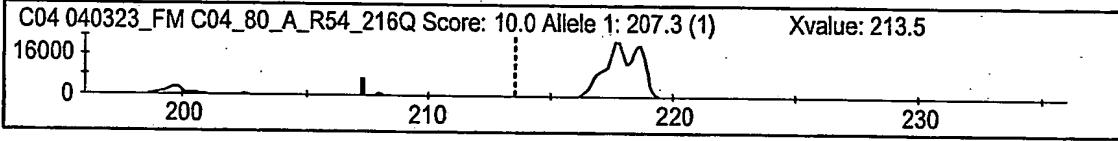
67% Atp/dAtp



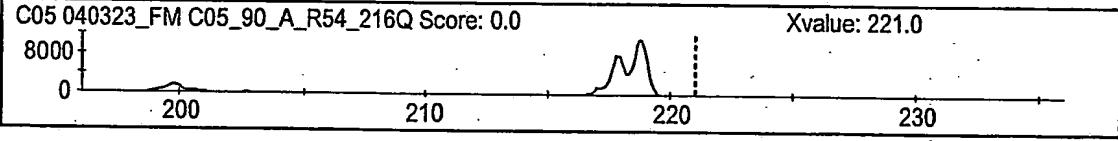
75% Atp/dAtp



80% Atp/dAtp



90% Atp/dAtp



100% Atp

